# This Page Is Inserted by IFW Operations and is not a part of the Official Record

### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

### ISSUE SLIP STAPLE ARE ' 'for additional cross references)

POSITION	INITIALS	IÈ NO.	DATE		
FEE DETERMINATION					
O.I.P.E. CLASSIFIER	, bt	48	7/20/0/		
FORMALITY REVIEW	Tha	946	PR 24/01		
RESPONSE FORMALITY REVIEW	MTB	354	2/27/02		
			<u> </u>		

### **INDEX OF CLAIMS**

N Non-elected
I Interference
A Appeal
O Objected

						÷	•	•••••	••••	••••	••••
	_					_					
Cla	aim	ļ.,		T:-		Da	te	_		_	
	ਛ	1500	5000	<b>!</b> :	1	1	1	1		1	1
평	Original	<b>8</b> S	d	ŀ	ŀ	1	1	1	ŀ	1	1
Final	ة	03	9		1		1				
_	n	7	1.7	1	$\vdash$	+	1-	+-	$\vdash$	+	1-
	Ý	٧.	7.	⊢	╁	╁	⊢	╆	╄	╁	╁
		1	П	┡	<u> </u>	╄	╙	╄	╄	╄	┺
	3	1	4	l	l	1		ļ	ļ	ı	ł
	4	П	7	Г	П	Т	П	Г	Г	1	Г
	5	П	7	Г	Т	T		T	Ì	T	Π
	.\$	H	1	<del>                                     </del>	╁╴	╁	╁	$\vdash$	╁	$\vdash$	$\vdash$
	17	₩	0	├─	╁	╁	Ͱ	╁	╁	╁	┢╌
	Ľ.,	#	ļ	-	┼	├	H	⊢	╌	$\vdash$	⊢
	ع	Щ.	9	L.	_	<u> </u>	<u> </u>	<u> </u>	L	L	<u></u>
-	(9) 10		<u> </u>							1	
	10		IJ		П		Γ	Π	Γ	П	
	11	т	7			$\vdash$		1		Г	T
_	12	$\vdash$	1	$\vdash$		$\vdash$	+-	$\vdash$	$\vdash$	$\vdash$	$\vdash$
	13	$\vdash$	μ,	$\vdash$	$\vdash$	⊢	⊢	$\vdash$	⊢	╁	₩
_		1	4	_	┞	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$
	14	1	╚	<u> </u>	<u> </u>	$oxed{oxed}$	ᆫ	乚	$ldsymbol{oxed}$	上	<u> </u>
	15		$\lfloor J \rfloor$	L	L ¯	L	L	L	1.		L
	16	T	0		Г			1	Γ	Γ	Ī
	$\overline{\mathbb{Q}}$	Т	7		t			T			
_	) 18	+	7	-	├-	-	⊢	-		┢	-
_	$\overline{}$	+	4	-	⊢	├	<u> </u>	<u> </u>	▙	┡	_
	19	Ш	4	L		ļ	_	L	L	L	L
	20	)	<b>'</b>	ı				1	l	ĺ	
	21	1		_	_	<b>†</b>	T	┰	$\vdash$	$\vdash$	┪
_	22	7	0	_	⊢	$\vdash$	H	$\vdash$	$\vdash$	╁	$\vdash$
-		/<	•		⊢	┢	┝	-	⊢	H	⊢
	23	_			╙	_	<u> </u>	_	_	ᆫ	<u> </u>
	24					L			L	L	
	25							Г	Ī	_	Γ
	26				_		Г		Г	Г	
_	27		$\neg$	_	$\vdash$	┢	-	-	┢	-	
-	28	-	-	-	$\vdash$	├─	⊢	$\vdash$	-	-	-
_			_	L.	-	<u> </u>	-	_	_	ļ	
_	29	_			<u>L</u>		<u>_</u>	<u>_</u>	<u>_</u>	_	
	30						1				1
П	31	_									Γ
-	32	$\neg$	$\neg$							t	_
$\dashv$	33	$\dashv$	$\dashv$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$
_	_		$\dashv$	Ь	<u> </u>	-	<u> </u>	<del> </del>	<u> </u>	-	$\vdash$
_	34				L_	<u> </u>	_		_		L.
_	35	[			L		L	L	L	L	
٦	36										
	37	$\neg$			1						
$\dashv$	38	-		-	┢		-	$\vdash$	$\vdash$	H	$\vdash$
	_	$\dashv$	$\vdash$	<del>     </del>	-	-		H	⊢	H	$\vdash$
_	39				<u> </u>	<u> </u>	L.	Щ.		L.	_
	40	_	_	L i	_						
	41		П	1	Γ-						
ᅱ	42	$\dashv$	$\dashv$	Η-	<del> </del>	$\vdash$	$\vdash$		$\vdash$	$\vdash$	-
-	42	-		-	<u> </u>		<u> </u>	<u> </u>	$\vdash$	$\vdash$	$\vdash$
			$\Box$		<u> </u>	L_		_	_	L_	Ш
	44		L l	L	L	ŀ					
	45										
7	46			$\overline{}$		$\vdash$			Т	П	
$\dashv$	_	$\vdash$	$\vdash$	-	-			$\vdash$	H	$\vdash$	$\vdash$
_	47	Щ	Щ	_	$\vdash$	<u> </u>	<u> </u>	_	-	<u> </u>	Щ
_	48		Ш	_		L		$\Box$		Ш	Ш
	49			L			L				
	50	П					$\Box$			Г	

Cla	im					Da	ite			_	
			Γ	Т		Ī		Τ	Т	Τ	T
-	Original			ŀ		1					i
Final	ĕ				l	l		l	Ì		İ
	51		T	T	T	T	T	T	1	T	T
	52			t	İ	t	T	T	ı	T	$\vdash$
Н	53		t		t	$\vdash$	t	T	t	T	$\vdash$
┢	54	Н	i-	┢	H	$\vdash$	$\vdash$	✝	t	t	
┢	55		†:-	T	T	1	T	t	t	t	
Г	56		Ĺ	t		İ	T	t		t	H
	57		<del>                                     </del>	t	$\vdash$	t	T	T	$\vdash$	T	T
	58			<del>                                     </del>		t	1	1	╁	T	T
	59		Т	t	T	T	t	t	$\vdash$	十	Ħ
Г	60		$\vdash$	<u> </u>	$\vdash$		⇈	_	†		1
	61		┢	_		1	T	$\vdash$	$\vdash$	十	
Н	62			t	H	T	T	H		t	m
H	63		Т	$\vdash$	t		1	$\vdash$	$\vdash$	T	$\vdash$
Н	64		H	$\vdash$	t	H		t	t	T	М
Н	65		$\vdash$		t	$\vdash$	T	$\vdash$	Т	t	$\Box$
Н	66		-	┢	$\vdash$	✝	t	T	$\vdash$	$\vdash$	Н
H	67	_	┢	┢	┢╾	╁╌		H	┢	t	Н
H	68		-	<del> </del>		$\vdash$	t	<u> </u>	-	H	Н
Н	69	_		┢	╁╌	┢	<del>                                     </del>	╁	╁╌	┢	Н
Н	70	_	$\vdash$	$\vdash$	$\vdash$		$\vdash$		$\vdash$	+	Н
Н		_		⊢	⊢		⊢	┝	⊢	╀	Н
Н	71		⊢	⊢	├		╁	$\vdash$	⊢	⊢	Н
$\vdash$	72 73	-	<del> </del>	⊢		-	⊢	├-	⊢	╁╌	Н
Н	74	_	-	-	-	-	⊢	┢	┢	-	Н
Н	75		$\vdash$	-	⊢	⊢	⊢	├	┢	├-	Н
Н	76	_	_	-	<del>                                     </del>	⊢	┢	⊢	┢	-	Н
Н	77	-		-	⊢	$\vdash$	┢	⊢		⊢	Н
$\vdash$	78	-		$\vdash$		$\vdash$	⊢	$\vdash$	-	⊢	Н
H	79			┝	$\vdash$	_	┢		⊢		Н
$\vdash$	80	$\dashv$	_	⊢	┢	$\vdash$	$\vdash$	$\vdash$	⊢	$\vdash$	Н
	81	-	-	├	┢	$\vdash$		$\vdash$	-	$\vdash$	Н
$\vdash$	82	-		├	┢	┢		$\vdash$	-		Н
-	83	-	_	⊢	$\vdash$		-	-	┢	┝	Н
	84	-		$\vdash$	$\vdash$	_	⊢		<u> </u>		Н
$\vdash$	85	-		$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	Н
$\dashv$	86	$\dashv$	-	_		$\vdash$	┢	-	-	$\vdash$	Н
	87	-	<u>.</u>	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash \vdash \vdash$
$\rightarrow$	88	$\dashv$	-	-	H		H	$\vdash$			Н
$\dashv$	89	-	_	$\vdash$	$\vdash$		$\vdash$	$\vdash$		$\vdash$	Н
$\dashv$	90	一	-	$\vdash$	Н	_	$\vdash$	-	$\vdash$	-	H
	91	ᅱ		-	-	$\vdash$	$\vdash$	$\vdash$	Н	Н	H
$\dashv$	92	$\dashv$		$\vdash$	$\vdash$	-	$\vdash$	Н	Н	H	Н
	93			-	$\vdash$	$\vdash$	$\vdash$	Н	$\vdash$	Н	Н
$\dashv$	93	$\dashv$		-	H	$\vdash$	$\vdash$		$\vdash$	-	Н
	95	$\dashv$		-	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H	$\vdash$	Н
$\rightarrow$	95 96	-	_	_	$\vdash$	$\vdash$	$\vdash$		Н	Н	$\vdash$
$\overline{}$	97	$\dashv$	-		Н	Н	$\vdash$	-	Н	Н	$\vdash$
	98	$\dashv$	_		$\vdash$				-	Н	Н
_	99	-	-	_	Н	-	-	$\vdash$	H	Н	$\vdash$
$\overline{}$	100	$\dashv$		-	$\vdash$		$\vdash$	H	<b>-</b>	Н	$\vdash \vdash$
$\perp$	<u>.vu</u>							L		L	

<u>~:</u>		_			-	_					
Cla	$\overline{}$	L	1	1	_	Da	ate		_	_	
Final	Original										
	101							T			
	102										
	103				L		L	L		L	
	104	L	┡	<del> </del>	$\perp$	$\perp$	╀	╀	┡	╀	1
	105	_	ļ	╀	╄-	┼-	╄	╀	╀	╀	╀
_	106 107	_	$\vdash$	╁	╁	╁	╀	+	╀	╀	╀
	108		H	╁	╁	-	╁	╁╌	╁	╁	+
_	109		H	t	t	1-	╁	+	╁	$^{+}$	+
	110		T	T	t	1	T	†	t	t	T
	111						Т	$\top$	Т	T	T
	112										
	113			L	$\perp$						
	114		L	L	L	L	↓_	$\perp$	L	Ļ	<u> </u>
	115	_	<u> </u>	<u> </u>	ļ	┡	▙	╀	<u> </u>	L	↓_
_	116 117		<b> </b>	┞	├	⊢	⊢	╁	⊢	+	╂
	118		⊢	⊢	⊢	⊬	╁	╁	┢	╀	╀
-	119		┢	┢	┢	┼	╁	╁	⊢	╁	+-
-	120		┢	H	┢	┢	┝	┼	$\vdash$	+	$\vdash$
$\dashv$	121		$\vdash$	$\vdash$	⊢	╁	╁╌	╁	┝	┢	+
$\neg$	122		┢	$\vdash$	├	┢	H	i	H	┢	╁╌
	123			T	t	T		1		T	$\vdash$
	124		Г	Г	Г	Г	T		Т		
	125										
	126		L	L					L	L	L
	127			L		L	<u> </u>	_	L	L	<u> </u>
	128		_	L	Ŀ	L	⊢	┞	L	-	<u> </u>
	129 130			ļ	<u> </u>	_	⊢	<u> </u>	⊢	┞	├-
	131	_		-	-	H	⊢	⊢	┝	┝	⊢
	132		-	H	$\vdash$	$\vdash$	┢	$\vdash$	$\vdash$	$\vdash$	
	133		<del> </del>	┝	-	H					H
	134			$\vdash$			<u> </u>		-	_	
	135		П			Г			Г		П
	136										
	137					L			L		
	38						L	L_	L		Ш
	39			L	<u> </u>	L	L	_	L	L	Щ
4	40 141			L		L	L	<u> </u>		L	Ш
		_				_	<u> </u>	<u> </u>	_		Ш
[	142 143	_	_		-	<u> </u>	$\vdash$	<u> </u>	H	$\vdash$	Н
	144	-	_	<u> </u>	_	$\vdash$	$\vdash$	<del> </del>	H	$\vdash$	$\vdash$
۲,	45	-	H			$\vdash$	$\vdash$	$\vdash$	Н	$\vdash$	H
	46		H		-	<u> </u>	-	$\vdash$	П	Н	$\dashv$
	147		Н		Н		_		Н	Н	$\vdash$
	148				П	П				Н	$\dashv$
T	149										
1	150										

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)